Project: AGOR 28	Contract No.: N00014- 12-C-0305	Shipyard: Dakota Creek Industries	
Prepared by:	Date:	Program Officer:	
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Distribution Statement A : Approved for public release;		Report No. A002.055	
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1. Meetings:

- i. Participated in weekly conference calls.
- ii. Participated in weekly yard meeting with yard and GPA
- iii. Participated in DR14
- 2. The following Shipyard Question Submittals were reviewed and commented on: Q94- Washer Dryer Specification Waiver

DCI is requesting comment on the washer and dryer ordered for the AGOR 27 vessel. Is the set in question acceptable, as they are rated non-commercial?

SIO has no issue with the selected Washers and Dryers not being commercial grade. Both are of excellent quality and should give good service. We would like the yard to determine if the washer and dryer will function correctly on a moving platform.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.

4. Other Work Items:

- Sally Ride Progress There continues to be no notable progress in the pipe, hvac or electrical work on Ride.
- Foc'sle Deck Bulkheads fully insulated and Toilet/Shower Units are being placed in positions.
- 01 Deck Insulation work continues and Toilet/Shower Units have been placed in their final positions.
- Scientific Refrigeration Boxes No changes since last reporting period.
- Pilot House Void SOLAS Fire Integrity DCI was ready to cut out 30% of the deck and install
 grating in lieu of insulating the overhead of the void below. PEO has put a hold on this and is
 proposing an HMR/Change Order to have the void overhead insulated to meet SOLAS fire
 boundary requirements.
- Sally Ride MCS FAT A factory acceptance test will be held for Sally Ride's Machinery Control System on 4/29 & 4/30. The FAT will be held at Siemens' Alpharetta, GA facility, with myself, ABS and others in attendance. Tests will cover the Extended Alarm System, Machinery Controls and Mimic Screens.

maintaining the data needed, and c including suggestions for reducing	lection of information is estimated to ompleting and reviewing the collect this burden, to Washington Headqu uld be aware that notwithstanding an DMB control number.	ion of information. Send comment arters Services, Directorate for Info	s regarding this burden estimate ormation Operations and Reports	or any other aspect of the s, 1215 Jefferson Davis	his collection of information, Highway, Suite 1204, Arlington	
1. REPORT DATE APR 2014		2. REPORT TYPE		3. DATES COVE 00-00-2014	RED 4 to 00-00-2014	
4. TITLE AND SUBTITLE				5a. CONTRACT	NUMBER	
AGOR 28				5b. GRANT NUMBER		
				5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)				5d. PROJECT NU	JMBER	
				5e. TASK NUME	BER	
				5f. WORK UNIT	NUMBER	
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9. SPONSORING/MONITO	RING AGENCY NAME(S) A	AND ADDRESS(ES)		10. SPONSOR/M	IONITOR'S ACRONYM(S)	
				11. SPONSOR/M NUMBER(S)	IONITOR'S REPORT	
12. DISTRIBUTION/AVAIL Approved for publ	ABILITY STATEMENT ic release; distributi	ion unlimited				
13. SUPPLEMENTARY NO	OTES					
14. ABSTRACT						
15. SUBJECT TERMS						
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON	
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	Same as Report (SAR)	8		

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Form Approved OMB No. 0704-0188

- Engine Pre-lube System The engine mounted pre-lube pumps require a separate 24-VDC battery system to operate. This was not provided in DCI/GPA's design. DCI had asked for an HMR to install AC motors and the associated cabling in lieu of batteries. The pump OEM, RPM Industries, does have a 480-vac motor/pump combination that appears to be suitable. However, the Government is telling DCI that they must provide the battery system at no cost as these pumps are required by the J1 Specifications. Batteries for this application, when AC power is available is a less than optimal solution because of their size and maintenance requirements. The type, size or quantity of batteries required is not yet known, so I will reserve any further judgment until the actual design can be reviewed.
- Sally Ride Master's Stateroom The structural stanchion blocking access to the Master's head
 and bed room door has been moved approximately 3-feet aft, allowing for unfettered passage.
 The yard has indicated that the same or similar will be done on Armstrong.



Sally Ride Dumbwaiter – Delaware Elevator competed installation and performed commissioning tests for the shipyard. DCI invited the onsite reps to witness as a courtesy. Alarms and safeties were tested. A complete functional test was conducted, including full load operation using weights. No issues, other than some minor fine tuning were noted. This was not an acceptance test. This is the first operational equipment on board Ride. It should be noted that the installation and testing was done concurrently with the Armstrong's dumbwaiter.



 Armstrong Stern Frame – The starboard foot was found to be deformed and the yard was having difficulty getting it to lay flat to the deck as depicted below:



did not appear to have nearly as much deformation.

The amount of torque on the bolts to bring the foot down flush with the deck may be higher than recommended. I would also be concerned about the overall alignment of the Stern Frame once it is fully assembled. There may be higher than allowed stresses on some of the weldments.

I was told that this was how it was delivered from Allied. I was told that it had been store incorrectly prior to delivery. It may also be due to an incorrect welding sequence.

The port leg, which was installed earlier,

It is not known at this time if Sally Ride's Stern Frame has a similar bend.

ABS/USCG Call-Outs - Sally Ride

Tank Testing:

- FO Double Bottom 3P Pressure tested remaining watertight boundaries with ABS in attendance. No leaks or defects detected.
- FO DB 3S Pressure tested remaining watertight boundaries with ABS in attendance. No leaks or defects detected
- FO Wing Tank 2P – Pressure tested remaining watertight boundaries with ABS in attendance.
 No leaks or defects detected. ABS and Coast Guard were concerned about paint on several of
 the welds. Retesting may be required and the yard has been put on notice not to paint untested
 welds.
- Ballast Tank 1C Retested weld seam between this tank and Ballast DB Tank 2P. ABS and USCG in attendance. Leak repaired, no bubbles.

Structural Inspections:

- Port Main Deck Breezeway Overheads
- Foc'sle Deck Breezeway Overheads, P&S.
- Stern Tunnel Thruster BERP (Bolted Equip. Removal Patch)
- Stern Thruster grating foundations
- Bosun's Stores Deck Plate Foundations
- Steering Gear Room deck plate foundations and vertical ladder.
- Bow Bulwarks P&S
- Chain Locker Pipes Above and below deck



• Main Deck Forward Locker – Hawse pipe and anchor pocket welds.

5. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (244 HUNDESTED PROPULSION SHAFT & COMPONENTS)(R/ASR)	293/1

AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#180 DI-055 (TM) for 573 Allied Stbd Side Handling Unit)(R/ASR)	357/1
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#396 DI-055 (TM) for 532a Gems FS-550 Series Paddle-Type Flow Switch)(R/ASR)	793/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#397 DI-055 (TM) for Spears 24320100 Ball Valve)(R/ASR)	795/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#398 DI-055 (TM) for 532a Mazzei Model 1078 Injector)(R/ASR)	797/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#399 DI-055 (TM) for 532a Goulds Model NPE Centrifugal Pump)(R/ASR)	799/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72279-02 ClearWater Tech AERO2US Oxygen Concentrator)(R/ASR)	1046/0
AGOR27	A003	STD Report - SHIPBUILDING PRODUCTION PROGRESS CONFERENCE (SPPC) AGENDAS AND MINUTES (SPPC/DR 14 PRESENTATION AND AGENDA)(R/ASR)	27/1
AGOR27	A002	STD Report - DESIGN REVIEW AGENDAS AND MINUTES (DR #14 NCE PRESENTATION)(R/ASR)	93/0
AGOR27	A027- 21	DWG Report - EQUIPMENT REMOVAL DRAWING (801- 07 Equipment Removal Rev E)(R/ASR)	5/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#406 DI-055 (TM) for 532a Aquafine CSL-6R Ultraviolet Water Treatment Equipment)(R/ASR)	813/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#407 DI-055 (TM) for 551 Ships Whistle Air Receiver)(R/ASR)	815/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#408 DI-055 (TM) for 551 Roy E. Hanson 20-VC-80-R Ships Service Air Receiver)(R/ASR)	817/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#409 DI-055 (TM) for 551 Roy E. Hanson 30-VJ-240-R Starting Air Receivers)(R/ASR)	819/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#410 DI-055 (TM) for 551 Parker Model B11-04WGCGM3 General Purpose Regulator)(R/ASR)	821/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#411 DI-055 (TM) for 621b Norac Prefabricated Wet Units)(R/ASR)	825/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (Di-051 (VRS) for PL 72199-02 Aquafine UV & Temperature Monitoring System)(R/ASR)	1054/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72279-01 Chem-Free Ozone Based Water Treatment System)(R/ASR)	1056/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051	1058/0

(VRS) for PL 720246-01 LK Valves 901002 Quick Closing 1-inch Globe Valve)(R/ASR) AGOR27	1060/0 1062/0 1064/0 1066/0 1070/0
AGOR27 A051 STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051	1062/0 1064/0 1066/0
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NR Parker B11 General Purpose Regulator)(R/ASR)	1
	1072/0
AGOR27 A051 STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72918-01	1072/0
NR WATTS LF15M2F Water Hammer Arrestor)(R/ASR)	
AGOR27 A051 STD Report - VENDOR RECOMMENDED SPARES (VRS)	1074/0
LISTINGS, STATISTICS, AND LOCATIONS (PL 72993-01	107-70
NR Ship's Whistle Air Receiver)(R/ASR)	
AGOR27 A052 STD Report - CONFIGURATION DATABASE LISTING	70/0
(CDBL) (DI-052 (CDBL) Monthly Submittal #26)(R/ASR)	1 0, 0
AGOR27 A055 TM Report - COMMERCIAL TECHNICAL MANÚALS AND	803/0
SUPPLEMENTAL DATA (#401 DI-055 (TM) for 532a	
Chem-Free Ozone-Based Water Treatment	
System)(R/ASR)	
AGOR27 A055 TM Report - COMMERCIAL TECHNICAL MANUALS AND	805/0
SUPPLEMENTAL DATA (#402 DI-055 (TM) for 505 AMOT	
Model B Thermostatic Valve)(R/ASR)	
AGOR27 A055 TM Report - COMMERCIAL TECHNICAL MANUALS AND	807/0
SUPPLEMENTAL DATA (#403 DI-055 (TM) for 505 LK	
Valves Product # 901002 Quick Closing Globe	
Valve)(R/ASR)	000/0
AGOR27 A055 TM Report - COMMERCIAL TECHNICAL MANUALS AND	809/0
SUPPLEMENTAL DATA (#404 DI-055 (TM) for WATTS	
Series LF15M2 Water Hammer Arrestor)(R/ASR)	044/0
AGOR27 A055 TM Report - COMMERCIAL TECHNICAL MANUALS AND	811/0
SUPPLEMENTAL DATA (#405 DI-055 (TM) for 532a	
Aquafine UV & Temperature Monitoring System)(R/ASR) AGOR27 A024 STD Report - REGULATORY BODY CORRESPONDENCE	116/1
(ABS Correspondence - Self-Extinguishing	110/1
Insulation)(R/ASR)	
AGOR27 A024 STD Report - REGULATORY BODY CORRESPONDENCE	132/0
(USCG Siemens - IAS)(R/ASR)	102/0
AGOR27 A024 STD Report - REGULATORY BODY CORRESPONDENCE	133/0
(ABS Allied Correspondence)(R/ASR)	. 33, 3

AGOR27	A027- 09	DWG Report - MACHINERY ARRANGEMENTS (501-01 Machinery Arrangement Rev F)(R/ASR)	7/0
AGOR27	A027- 16	DWG Report - AUXILIARY SYSTEMS REPORT (PDF FILE)(R/ASR)	22/6
AGOR27	A027- 16	DWG Report - AUXILIARY SYSTEMS REPORT (PDF FILE)(R/ASR)	26/F
AGOR27	A027- 19	DWG Report - HANDLING SYSTEMS ARRANGEMENT DRAWING (573-01 Handling Systems Rev C)(R/ASR)	9/0
AGOR27	A027- 20	DWG Report - SCIENTIFIC SYSTEMS DEPLOYMENT DRAWING (Scientific Systems Deployment Rev C)(R/ASR)	5/0
AGOR27	A031- 03	STD Report - TEST PROCEDURES (524-001-3)(DARC REV)	66/0
AGOR27	A031- 03	STD Report - TEST PROCEDURES (AGOR 573-011-3 Dumb Waiter ILO and Operational Test)(R/ASR)	79/0
AGOR27	A031- 03	STD Report - TEST PROCEDURES (AGOR 524-001-3 Seawater Service System Operational and Unobstructed Flow Test Rev A)(R/ASR)	97/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72199-01 Aquafine CSL-6R Ultraviolet Water Treatment)(R/ASR)	1052/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72111-04 NR Imperial Chill and Freezer Boxes)(R/ASR)	1076/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (568b Tees White Gill Bow Thruster)(R/ASR)	353/1
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#412 DI-055 (TM) for 516cd Imperial SS Refrigerator and Freezer Boxes)(R/ASR)	823/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (#05 DI-058 (Instructor Guides) for Tees White Gill Neil Armstrong Bow Thruster)(R/ASR)	10/0
AGOR27	A059	STD Report - STUDENT GUIDES (#09 DI-059 (Student Guide) for Tees White Gill Neil Armstrong Bow Thruster)(R/ASR)	15/0
AGOR27	A063	STD Report - PRODUCTION INFORMATION (562-02 Rudder & Rudder Stock Rev C)(R/ASR)	249/0
AGOR28	A058	STD Report - INSTRUCTOR GUIDES (#04 DI-058 (Instructor Guides) for Tees White Gill Sally Ride Bow Thruster)(R/ASR)	4/0
AGOR28	A059	STD Report - STUDENT GUIDES (#08 DI-059 (Student Guide) for Tees White Gill Sally Ride Bow Thruster)(R/ASR)	3/0